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THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named

For

Inventor : KokHoe Chia et al.

Appln. No.: 10/602,975

Filed : June 24, 2003

: REFRESHING DATA IN A DATA

STORAGE DEVICE

Docket No.: S104.12-0039

Group Art Unit: 2651

Examiner:

## INFORMATION DISCLOSURE STATEMENT

HAND DELIVERED

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the patents or publications cited are enclosed.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

Rv

Robert M. Angus, Reg. No. 24,383 Suite 1600 - International Centre

900 Second Avenue South

Minneapolis, Minnesota 55402-3319

Phone: (612) 334-3222 Fax: (612) 334-3312

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RM PTO-14%9	Atty. Docket No.
RM PTO-149 PRADEMAT	S104.12-0039

Appl. No.: 10/602,975

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

First Named Inventor:

KokHoe Chia et al.

Filing Date

Group Art:

June 24, 2003

### U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate	
AA	6,429,984	8/6/02	Alex	360	31		
AB							
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#### FOREIGN PATENT DOCUMENTS

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FORM PTO-1449 TRADENT	Atty. Docket No.: Appl. No. S104.12-0039 Appl. No. 10/602,97					
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Invent					
	Filing Date	Group Art:				
	June 24, 2003					

### U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	4,387,424	6/7/83	Frediani et al.	364	200	
AB	4,392,197	7/5/83	Couper et al.	364	200	
AC	4,393,377	7/12/83	Couper et al.	340	731	
AD	4,394,733	7/19/83	Swanson	364	200	
AE	4,398,246	8/9/83	Frediani et al.	364	200	
AF	4,398,264	8/9/83	Couper et al.	364	900	
AG	4,413,317	11/1/83	Swenson	364	200	
АН	4,422,070	12/20/83	Couper et al.	340	723	
AI	4,434,419	2/28/84	Couper et al.	340	717	-
AJ	4,475,189	10/2/84	Herr et al.	370	62	
AK	4,513,390	4/23/85	Walter et al.	364	900	

# FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
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FORM PTO	-1449						A	tty. 104.	Docket <b>12-0039</b>	No.:	Appl. No.: 10/602,975	
		LICAN	S AND I	FORMA	ATION	S FOR	First Named Inventor:					
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					U.S. PA	ATENT DOCUMENTS						
	Examiner Document Initial No. Date			ce		Name			Class	Sub Class	Filing Date If Appropriate	
BA	4,727,5	509	2/23/	88	Johns	on et al.			364	900		
BE	3 4,760,6	808	7/26/	88	Suzuk	i			382	61		
ВС	4,979,0	)54	12/18	/90	McCullough et al.				368	48		
В	5,159,4	55	10/27	/92	Cox e	t al.			358	213.11		
BE	5,237,5	29	8/17/	93	Spitzer				365	158		
BE	5,280,6	501	1/18/	94	Desai et al.				395	425		
ВС	5,440,6	69	8/8/9	5.	Rakaljic et al.				359	7		
BH	5,450,5	96	9/12/	95	Felsenstein				395	800		
ВІ	5,491,3	38	2/13/	96	Spitzer			250 307				
ВО	5,508,7	33	4/16/	96	Kassa	tly			348	13		
Bk	5,539,4	78	7/23/	96	Bertr	am et al.			348	734		
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FORM PTO-1		· · -					1	Atty <b>S10</b> 4	/· 1.1	Docket <b>2-0039</b>	No	.:	Appl. No.: 10/602,975
I	JIST OF PATENT APPLICAN DISCLO		FORMA	TION	S FOR		First Named Inventor:						
										Chia	et	al.	
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CA	5,539,479	7/23/96 Bertram			am				3	348		564	
СВ	5,548,340	8/20/96 Bertram								348		559	
СС	5,555,388	9/10/96 Shaughnes							3	395		427	
CD	5,581,715	12/3/	96	al.		395				309			
CE	5,592,413	1/7/9	7				. 3	365		151			
CF	5,598,391	1/28/97 Mukawa							3	369		54	
CG	5,602,597	2/11/	2/11/97 Bertram						348			565	
СН	5,603,012	2/11/9	97	Sothe	ran			395				500	
CI	5,604,544	2/18/9	97	Bertr	am		348 601				601		
CJ	5,606,374	2/25/9	97	Bertr	am		348 5				565		
ÇK	5,636,036	6/3/9	7	Ashbe	У				3	886		335	
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FORM PTO-	1449						Att S10	у. 9 <b>4.1</b>	Docket <b>2-0039</b>	No.:	Appl. No.: 10/602,975
	LIST OF PATENT APPLICAN DISCLO		FORMA	MOIT	S FOR	First Named Inventor:					
					·		Kok	кНое	Chia e	et al.	
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							Jun	ne 2	4, 2003	3	
			1	U.S. PA	ATENT DOCUMENT	'S					
Examiner Initial	Examiner Document Initial No. Date				Name			C.	lass	Sub Class	Filing Date If Appropriate
DA	5,652,630	7/29/	97	Bertr	am et al.				348	734	
DB	5,657,091	8/12/	97	Bertr	am				348	559	
DC	5,666,516	9/9/9	7	Combs					711	163	
DD	5,671,204	9/23/	97	Yokouchi et al.					369	60	
DE	5,677,899	10/14,	/97	Getreuer					369	44.28	
DF	5,680,579	10/21,	/97	Young et al.					395	484	
DG	5,684,611	11/4/9	97	Rakuljic et al.					359	7	
DH	5,691,777	11/25,	/97	Kassatly					348	408	
DI	5,696,931	12/9/9	97	Lum et al.					395	440	
DJ	5,729,511	3/17/9	98	Schell et al.				,	369	44.27	
DK	5,737,028	4/7/98	3	Bertr	am et al.				348	563	
			FO	REIGN	PATENT DOCUMEN	TΓ	S				
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FORM PTO-1	449	-					Atty <b>S104</b>	. Do	ocket -0039	No.:	Appl. No.: 10/602,975
L	IST OF PATENT APPLICAN DISCLO		FORMA	MOITA	5 FOR	First Named Inventor:					
							KokH	oe (	Chia e	et al.	
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Examiner Initial	Document No.	Dat	:e		Name			Cla	ıss	Sub Class	Filing Date If Appropriate
EA	5,745,645	4/28/	98	Nakam	ura et al.			38	6	131	· ·
EB	5,748,578	5/598		Schel	1			36	59	44.14	
EC	5,761,698	6/2/9	8	Combs		711		100			
ED	5,765,197	6/9/9	8	Combs				71	1	164	
EE	5,767,913	6/16/	98	Kassa	tly			34	8	403	
EF	5,768,561	6/16/	98	Wise				39	5	500	
EG	5,781,913 '	7/14/	98	Felsenstein et al.				. 70	7	501	
EH	5,784,528	7/21/	98	Yamane et al.				38	6	112	
EI	5,784,631	7/21/	98	Wise		39	5	800			
EJ	5,790,177	8/4/9	8	Kassa	Kassatly				8	13	
EK	5,796,703	8/18/	98	Schel	l et al.			36	9	116	
			FO	REIGN	PATENT DOCUMENT	rs					
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EL											
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FORM PTO-	1449					A	tty. 104.	Appl. No.: 10/602,975				
	LIST OF PATENT APPLICAN DISCLO		FORM	ATION	S FOR	First Named Inventor:						
						К	okHo	e Chia	et al.			
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FA	5,801,785	9/1/9	8	Crump	et al.			348	563			
FB	5,805,914	9/8/9	8	Wise	et al.			395	800			
FC	5,809,270	9/15/	98	Robbi	ns			385	376			
FD	5,828,054	10/27	/98	Schel	1			250	201.5			
FE	5,835,740	11/10	/98	Wise	et al.			395	309			
FF	5,842,033	11/24	/98	Wise	et al.			395	800.01			
FG	5,854,873	12/29	/98	Mori	et al.			386	92			
FH	5,864,568	1/26/	99	Nemazie				371	40.14	·		
FI	5,875,158	2/23/	99	Schel	1			369	44.34			
FJ	5,878,015	3/2/9	9	Schel	Schell et al.			369	116			
FK	5,881,301	3/9/9	9	Robbi	ns .	395 800.0			800.01			
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FL												
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FORM PTO-144	49	···				Att	ty. I	Docket 2-0039	No.:	Appl. No.: 10/602,975		
LIS			ORMATION	S FOR		First Named Inventor:						
						Kok	kHoe	Chia	et al.			
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GA	5,884,004	3/16/9	9 Sato	·		3	386	98				
GB	5,892,900	4/6/99	Ginte	1.	·	3	395	186				
GC	5,905,845	5/18/9	9 Okada	et al	•	386			98			
GD	5,910,987	6/8/99	Ginte	er et a	1.		380		24			
GE	5,915,019	6/22/9	9 Ginte	er et a	1.		3	380	4			
GF	5,917,912	6/29/9	9 Ginte	er et a	1.		3	380	24			
GG	5,920,539	7/6/99	Schel	1.		3	369	244				
GH	5,923,869	7/13/9	9 Kashi	t al.	395			556				
GI	5,937,138	8/10/9	9 Fukud	la et a	1.	386			112			
GJ	5,949,876	9/7/99	Ginte	er et a	l.	380			4			
GK	5,956,519	9/21/9	9 Wise	et al.	,	395 800.16						
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Sheet 8 of 13

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FORM 1	PTO-14	49			······································			Att	y. 1	Docket 2-0039	N	lo.:	Appl. No.: 10/602,975		
	LI	ST OF PATENT APPLICAN DISCLO		FORMA	MOIT	3 FOR	First Named Inventor:								
							KokHoe Chia et al.								
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•	на	5,974,007	10/26	/99	Gertr	euer			3	369		32			
	НВ	5,978,592	11/2/	99	Wise				3	395		800.01			
	НC	5,982,891	11/9/	99	Ginte	r et al.			3	380		4			
	HD	6,011,546	1/4/0	0	Bertr	am			3	345		327			
	HE	6,018,776	1/25/	00	Wise	et al.				10		7			
	HF	6,034,364	3/7/0	0	Schel	1			2	250		201.5	•		
_	HG	6,035,126	3/7/0	0	Wise	et al.			3	395		800.29			
	НН	6,038,380	3/14/	00	Philip et al.				3	195		376			
	HI	6,047,112	4/4/0	0	Wise et al.				395			180			
	НĴ	6,049,694	4/11/	0 Ó	Kassatly				455			6.1			
	HK	6,058,081	5/2/0	0	Schel		369			44.27					
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED:



	WAL & LEVE									5	Sheet 9 of 13
FORM PTO-1	449						Atty <b>S104</b>	. Docke	t 1 9	lo.:	Appl. No.: 10/602,975
I	JIST OF PATENT APPLICAL DISCLO		FORMA	TION	S FOR .	First Named Inventor:					
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Examiner Initial	Document No.	Dat	:e		Name			Class		Sub Class	Filing Date If Appropriate
IA	6,064,796	5/16/	00	Nakam	ura et al.			386		131	
IB	6,067,417	5/23/	00	Wise	et al.			395		800.18	
IC	6,069,857	5/30/	00	Schel	l et al.		369		54		
ID	6,072,649	6/6/0	0	Park	et al.			360		50	
IE	6,078,463	6/20/	00	Pahr				360		77.12	
IF	6,079,009	6/20/	00	Wise	et al.			712		209	
IG	6,087,644	7/11/	00	Schel	1			250		201.5	
IH	6,112,017	8/29/	00	Wise			395		376	•	
II	6,122,232	9/19/	00	Schel	l et al.		369		44.11		
IJ	6,122,716	9/19/	00	Combs			711		163		
IK	6,128,717	10/3/	00	Harri	son et al.			711		202	·
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FORM PTO	-1449							Docket <b>12-0039</b>	No.:	Appl. No.: 10/602,975					
	LIST OF PATENT APPLICAN DISCLO		FORMA	ATION	S FOR	First Named Inventor:									
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JP	6,173,113	1/9/0	1	Okada et al.				386	95						
JE	6,173,358	1/9/0	1	Combs				711	100						
JC	6,181,872	1/30/	01	Yaman	e et al.			386	112						
JE	6,236,625	5/22/	01	Schel	l et al.			369	13						
JE	6,237,786	5/29/	01	Ginte	r et al.			213	153						
JF	6,243,336	6/5/0	1	Schel	l et al.			369	44.29						
JG	6,253,193	6/26/	01	Ginte	r et al.			705	57						
JН	6,259,659	7/10/	01	Fechs	er et al.			369	47.1						
JI	6,263,422	7/17/	01	Wise et al.				712	209						
JJ	6,266,306	7/24/	01	Schell et al.				369	44.34						
JK	6,278,665	8/21/	01	Schell et al.				369	13						
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FORM PTO-14	49		-				A	Atty 8104	. Docke .12-003	t N 9	lo.:	Appl. No.: 10/602,975	
LI	ST OF PATENT: APPLICAN DISCLO		FORMA	TION	FOR	-	First Named Inventor:						
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KA	KA 6,285,637 9/4/01 Manter et al								369		47.1		
KB	KB 6,304,993 10/16/01 Fechser et al								714		770		
KC	6,317,391	1.			369		13						
KD	6,317,842	11/13/01 Nguyen							713		400		
KE	6,330,665	12/11/01 Wise et al.							712		300		
KF	6,330,666	12/11/01 Wise et al.							712		300		
KG	6,341,199	1/22/	•			386		98					
KH	6,363,488	3/26/	02	Ginte	r et a	1.			713		201		
KI	6,389,402	5/14/	02	Ginte	r et al	1.		705 51			51	·	
KJ	6,393,196	5/21/0	02	Yaman	e et al	1.	386			$\perp$	52		
KK	6,393,574	5/21/0	02	Kashi	wagi et	t al.	713 400				400	·	
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	TRADEMAN				Sheet 12 of 13							
FORM PTO-14	149 <sup>-</sup>					I S	Atty <b>S104</b>	. Docket .12-0039	No.:	Appl. No.: 10/602,975		
L:	IST OF PATENT APPLICAN DISCLO	T'S IN	FORMA	MOITA	S FOR	First Named Inventor:						
						F	KokHoe Chia et al.					
						E	Fili	Group Art:				
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LB	6,427,140	7/30/	Ginte	r et al.			705	80				
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LD	6,434,087	8/13/	02	Schel	l et al.			·369	13			
LE	6,435,737	8/20/	02	Wise	et al.			395	376			
LF	6,457,024	9/24/	02	Felse	ntein et al.			707	501			
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LL												
LM												
LN												
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L	IST OF PATENT: APPLICAN DISCLO	T'S IN	FORMA	MOITA	S FOR		First Named Inventor:						
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